Mountain Weather Forecast

Peak District National Park

Forecast valid from 06:00 on Saturday 16 Dec 2023 until 23:59 on Sunday 17 Dec 2023

Forecast Issued on Saturday 16 Dec 2023 at 01:33

Confidence: High for cloudy and windy conditions over the weekend with rain or drizzle at times. Lower confidence for details next week with some uncertainty in the track and development of bands of rain.

Headline for Saturday 16 Dec 2023: Strong and gusty winds. Poor visibility.

Mountain weather hazards on Saturday 16 Dec 2023

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales Low Likelihood	**Severe chill effect** No Likelihood	**Poor visibility** Medium Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Dull	Dull	Dull	Dull	Dull	Dull
Precipitation probability					
20%	20%	20%	30%	40%	50%

Forecast for Saturday 16 Dec 2023

Weather: Cloudy but mostly dry although western hills may see some drizzle a times. Drier and brighter intervals possible in the east.

Chance of cloud-free hill tops above 600m: 20% in west, 40% in east.

Low cloud and visibility: Extensive cloud will obscure some tops above 400m in the west rising to 600m, and occasionally broken in the east. Below the cloud, visibility falling to a few kilometres in drizzle

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
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Mountain Weather Forecast

Forecast for Saturday 16 Dec 2023

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	24/29 SW	24/31 SW	26/35 SW	27/37 W	30/40 W	29/41 SW	30/42 SW
300	13/19 SW	15/23 SW	18/27 SW	16/24 SW	19/29 SW	19/30 SW	20/31 SW
Valley	7/17 SW	9/22 SW	11/23 SW	11/24 SW	11/24 SW	11/25 SW	12/27 SW

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	6/1	6/1	6/1	6/1	6/-0	6/0	6/1
300	8/5	8/4	8/5	9/5	8/4	8/4	8/5
Valley	8/6	8/6	9/6	9/7	8/6	9/6	9/6
Freezing Level*	2300m	2300m	2300m	2300m	2100m	2000m	2000m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Pretty poor conditions on tops with strong winds and poor visibility leading to difficult navigation. Despite mild temperatures wind chill will lead to it feeling noticeably colder. Warm layers essential.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
03:00 on Sat 16 Dec 2023	0mm	19.3mm	20.3mm

Forecast for Sunday 17 Dec 2023

Weather: Another cloudy day, with most hills dry, although a few outbreaks of light rain or drizzle possible. Gusty winds strengthening a little more, to become strong at times, especially across exposed ridges.

Maximum wind: Southwesterly 40mph gusts 50-55mph.

Chance of cloud-free hill tops above 600m: 20% in west, 40% in east.

Low cloud and visibility: Extensive cloud obscuring hills above 400m, rising to 500m in the east, with a few breaks possible. Below the cloud visibility falling to a few kilometres in drizzle.

Temperature: **Valleys:** Plus 9 Celsius rising to Plus 11 Celsius.
At 600m: Plus 6 Celsius.
Freezing level: Above summits.

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